

3-O-Methylquercetin tetraacetate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 3-O-Methylquercetin tetraacetate

Catalog No.: CFN99615

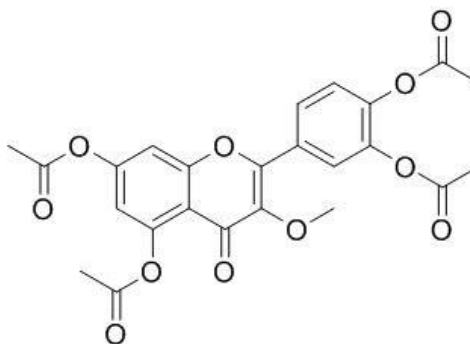
Cas No.: 1486-69-7

Purity: > 95%

M.F: C₂₄H₂₀O₁₁

M.W: 484.4

Physical Description: Yellow powder



Synonyms: Quercetin-3-methylaether-tetraacetate; 4-(5,7-Diacetoxy-3-methoxy-4-oxo-4H-chromen-2-yl)-1,2-phenylene diacetate.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The herbs of *Croton cascarilloides*.

[Biological Activity or Inhibitors]

Quercetin 3-O-methyl ether is a potent phosphodiesterase (PDE)3/4 inhibitor, it has potential for treating asthma against ovalbumin-induced airway hyperresponsiveness [1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: 0.3% Formic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 260 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Jiang J S, Chien HC, Chen CM, et al. *Planta Med.*,2007,73(11):1156-62.

[2] Hu W C, Meng Q Y, Wang C X. *China Journal of Experimental Traditional Medical Formulae*, 2016(6):61-5.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com